FAMILY LIST

SOUND SOURCE VECTOR GENERATOR, VOICE ENCODER, AND VOICE DECODER

Patent Number: ⌐ EP0883107

Publication date: 1998-12-09

Inventor(s): EHARA HIROYUKI (JP); MORII TOSHIYUKI (JP); WATANABE TAISUKE (JP); YASUNAGA KAZUTOSHI (JP)

Applicant(s): MATSUSHITA ELECTRIC IND CO LTD (JP)

Requested Patent: ⌐ US6453288

Application Number: EP19970911460 19971106

Priority Number(s): WO1997JP04033 19971106; JP19960294738 19961107; JP19960310324 19961121; JP19970034582 19970219; JP19970034583 19970219

IPC Classification: G10L9/14; G10L9/18

EC Classification: G10L19/12

Equivalents: AU4884297, CA2242345, CN1338722, CN1338723, CN1338724, CN1338725, CN1338726, CN1338727, DE69708693D, DE69708693T, DE69708696D, DE69708696T, DE69708697D, DE69708697T, DE69710505D, DE69710505T, DE69710794D, DE69710794T, DE69711715D, DE69711715T, DE69712535D, DE69712535T, DE69712537D, DE69712537T, DE69712538D, DE69712538T, DE69712539D, DE69712539T, DE69712927D, DE69712927T, DE69712928D, DE69712928T, DE69713633D, DE69713633T, DE69715478D, DE69715478T, DE69721595D, DE69721595T, DE69723324D, DE69723324T, ⌐ US6330534, ⌐ WO9820483

Cited patent (s): EP0488751; US5428561; US4797925; EP0680032

Abstract

A random code vector reading section and a random codebook of a conventional CELP type speech coder/decoder are respectively replaced with an oscillator for outputting different vector streams in accordance with values of input seeds, and a seed storage section for storing a plurality of seeds . This makes it unnecessary to store fixed vectors as they are in a fixed codebook (ROM), thereby considerably reducing the memory capacity. 🖻